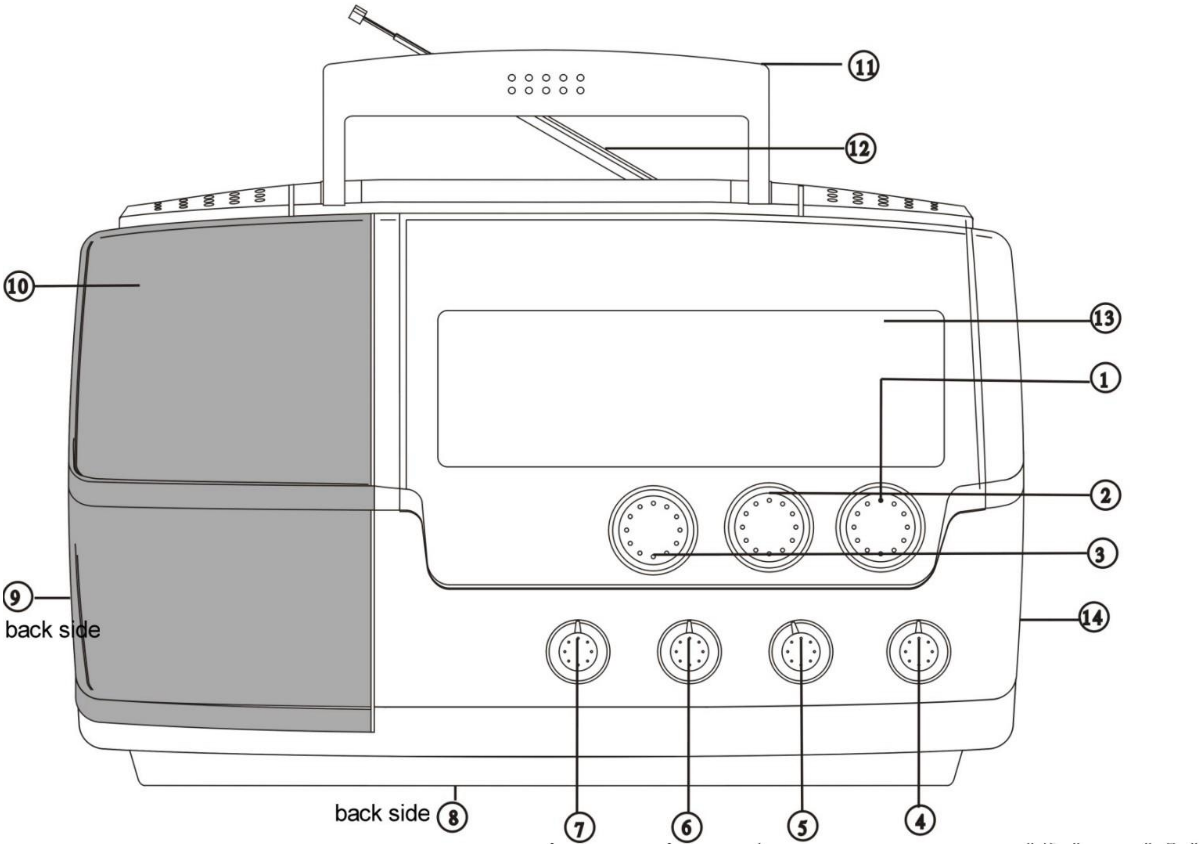
AIRCONTROL 9000

Multiband-Receiver



LOCATION OF CONTROLS

1. Tuning control
2. Band selector
3. FM switch
4. On/off volume control
5. Treble control
6. Bass control
6. Squelch
8. Battery case (backside)
9. AC socket (230 V)
10. Speaker
11. Handle
12. Telescopic antenna
13. Tuning display
14. Earphone jack

OPERATION

DC Operation

Take the lid of the battery case (8) off the battery case and insert 6 batteries size D (Mono) 1.5 V. Be sure of the correct position of the battery poles to avoid damage of the electronic installation! Never mix various brands of batteries! Never mix full and empty batteries at the same time!

AC Operation 230 V

Insert the power plug (9) only after having checked that the voltage of the power corresponds with the voltage of the receiver (in Europe mostly 220/230 V 50 Hz). Remove the batteries if you intend to operate the receiver by external power over a longer period of time!

Note: Weak or empty batteries may leak and thus damage the receiver: Always remove the batteries in case the receiver will not be operated over a longer period of time!

Power ON/OFF

Push the switch **ON/OFF** (4) in position **ON** .

Telescopic antenna

Completely extend the antenna to full length until you can hear the desired station best. Reception can even be improved by either shortening the antenna or giving it a different angle. Please note that this antenna is not operating on MW (AM Radio range)

General information for tuning and reception

With the help of the two linked switches (2) and (3) you can choose the desired band among CB, TV1-FM, AIR-PB-WB, SW, MW or TV2. With the help of the tuning control (1) you search for the desired station and adjust the volume with the volume control (4).

Medium Waves reception (AM 530 - 1620 kHz) MW

In this traditional broadcast frequency range a built-in magnetic ferrite antenna is operating. On medium waves, the telescopic antenna has only low efficiency and is not needed. Because ferrite antennas have directional effects, turn the radio until you have the best reception of the desired station. Choose MW position with selector knob(2) and adjust tuning control to desired station. The best antenna tuning position depends on which station you wish to hear. On Medium Waves you will have a high range of reception during evening and night hours.

Short Waves reception SW

Extend the telescopic antenna to full length to ensure best sensitivity. Turn the band Selector (2) into position SW (SHORT WAVES) and tune (1) in the desired radio station. On Short Waves you will be able to listen to long-distance services.

CB- Radio Reception
The CB (**C**itizen's **B**and) frequency range is used for local communication among hobby radio users. Extend the telescopic antenna to full length to assure best reception. Turn the band selector (2) into CB position and tune (1) over the CB band. The channel numbers correspond roughly to ***international CB channel numbers***.
Like on all typical two-way-radio bands, you may use the squelch knob which can suppress the noise, audible on channels during the time periods when nobody is transmitting. Adjust the squelch knob carefully on a free channel to exactly that position, where the noise just begins to disappear.

TV1- FM- Reception (4 m commercial radio band and 3 m FM broadcast band)
Initially extend the telescopic antenna to full length and adjust the angle, if necessary. Select TV1 - FM mode with control knob (3) and find a station by tuning the frequency tuning knob (1). Take care that the selector (2) is in FM position. Use the squelch knob for receiving non continuous transmitting radio services, like PMR or utility or security radio stations. Adjust the squelch knob carefully to that position where the noise just disappears, when the station is just not transmitting.

AIR-PB-WB- Reception (2m Band, Air Band, Amateur Radio, Commercial (PMR) Radio)
Extend the telescopic antenna initially to full length. Use FM mode selector switch (3) to select AIR-PB position and adjust the tuning knob (1) to the desired station. Make sure that selector (2) is in position FM. When receiving a station, it may be necessary to readjust the antenna to optimum length and antenna angle. Sometimes a shorter length gives better receiving quality! Use squelch, if necessary.

TV2- Reception (higher VHF band segment, TV audio of „Band III")
For this band you will need the telescopic antenna, but the optimum length will be shorter (depends on wave lengths). 50-60 cm should be reasonable. In Europe, you can receive on TV 2 band the audio channels of cable TV or TV stations operating on TV channels 5-11.

SAFETY NOTES & LEGAL INFORMATION

This radio is designed for normal home environment operation. Please protect your radio against too high temperatures, direct sunlight and excessive humidity. Do not clean with wet or aggressive detergents or materials. In case you will not use the radio for a longer time period or only via 230 V AC supply, please remove the batteries. This will protect the radio from damage by leaking or corroded batteries.

This radio is able to receive radio communication which may be private or limited to authorized users only. In most countries it is not allowed to listen to such radio conversations without authorization by the radio service. Make sure that you listen only to legal public radio services.

Technical Data Multiband-Radio MW SW CB TV1-FM AIR-PB-WB TV2

Antenna:	FM: Telescopic antenna, for Short Waves SW and all VHF ranges MW: integrated ferrite antenna	
Frequency ranges:	AIR 108 -145 MHz.	(Airplane to ground)
	PB 145 -176 MHz.	(2m Band, VHF, PMR)
	WB 162.5 MHz	Weather reports, only USA
	TV1 54 -87 MHz	(4 m Band)
	FM 88 –108 MHz	(FM broadcast)
SW	6-18 MHZ	(Short Waves 49-16 m Band)
MW	530 – 1600 KHZ	(classical AM broadcast)
TV 2	176 – 215 MHZ	(VHF Band III)
CB 1-80	CB-Radio	ca. 26.5 bis 27.8 MHz

Tuning knobs and audio functions:

Bass	100Hz + 10/-10dB	bass audio control
Treble	10K Hz + 10 /-10dB	treble control
Audio output power	max.4W (RMS) at 4 Ohm and 10 % THD distortion	
Speaker	ca. 10 cm dynamic broadband speaker 8 Ohms	

Power Supply	integrated AC power supply 230V 50Hz or Battery DC supply 6 x 1.5 V size UM1, D or „Mono“
Dimensions	310mm x 190mm x 95mm weight : 1.50 kg (without batteries)
AC supply	1 pc Euro-power cable for 230 V AC is supplied inside battery compartment (for transportation)
CE Conformity	the radio fullfills the appropriate EMC- product- and LVD (safety) standards for radio receivers and is marked with the CE mark.

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